

**I claim:**

1. A method for decreasing high frequency (HF) radiation emission in a power line comprising the steps of:
  - transmitting a utility power signal over said power line;
  - transmitting a high frequency communication signal over said power lineso as to provide a combined utility and high frequency signal over said power line; and
  - providing a plurality of inductors disposed along said power line.
2. The method in accordance with claim 1 further comprising the step of increasing a voltage level of said combined signal corresponding to an increased impedance in said power line as a result of said step of providing a plurality of inductors.
3. The method in accordance with claim 2, wherein said step of providing a plurality of inductors further comprises the step of providing said plurality of inductors at regular intervals.
4. The method in accordance with claim 2, wherein said step of providing a plurality of inductors further comprises the step of providing said plurality of inductors at irregular intervals.

5. The method in accordance with claim 2, wherein said step of providing a plurality of inductors further comprises the step of providing a plurality of clamped inductors.
6. The method in accordance with claim 2, wherein said step of providing a plurality of inductors further comprises the step of providing a plurality of series inserted inductors.
7. A system for decreasing high frequency (HF) radiation emission in a power power line comprising:
  - a first transmitter configured to transmit a utility power signal over said power line;
  - a second transmitter configured to transmit a high frequency communication signal over said power line so as to provide a combined utility and high frequency signal over said power line; and
  - a plurality of inductors disposed along said power line.
8. The system in accordance with claim 7 further comprising means for increasing a voltage level of said combined signal corresponding to an increased impedance in said power line as a result of said plurality of inductors.

9. The system in accordance with claim 7, wherein said plurality of inductors are located at regular intervals.
10. The system in accordance with claim 7, said plurality of inductors are located at irregular intervals.
11. The system in accordance with claim 7, wherein at least one of said inductors is a clamped inductor.
12. The system in accordance with claim 7, wherein at least one of said plurality of inductors is a series inserted inductor.